

WHAT IS CLAIMED IS:

1. A multi-media player, comprising:

a main frame; and

a rotatable panel rotatably mounted on the main frame and including:

a mounting plate secured on the main frame and formed with a window; and

a casing rotatably mounted on the mounting plate and rotatable between a first position where the casing is rested on the mounting plate and a second position where the casing is removed from the mounting plate to expose the window of the mounting plate, wherein:

when the casing is moved from the first position to the second position, the casing stores a restoring force to provide an automatic restoring function.

2. The multi-media player in accordance with claim 1, wherein the casing includes a first plate, a second plate combined with the first plate, and an electronic device mounted between the first plate and the second plate.

3. The multi-media player in accordance with claim 2, wherein the electronic device includes a circuit board electrically connected to the main frame, an indicator mounted on the circuit board, and two control switches mounted on the circuit board.

1 4. The multi-media player in accordance with claim 3, wherein the
2 first plate of the casing is formed with a window, and the indicator is flush with
3 the window of the first plate.

4 5. The multi-media player in accordance with claim 3, wherein the
5 first plate is formed with two through holes for mounting the two control
6 switches.

7 6. The multi-media player in accordance with claim 2, wherein the
8 mounting plate is formed with two opposite mounting portions each formed
9 with a mounting recess, and the rotatable panel further includes two
10 connecting portions each secured on a respective one of the two mounting
11 portions of the mounting plate and each including a first block formed with a
12 fixing hole, and a second block integrally formed on the first block and
13 inserted into the mounting recess a respective one of the two mounting
14 portions.

15 7. The multi-media player in accordance with claim 6, wherein the
16 fixing holes of the first blocks of the two connecting portions are co-axial with
17 each other.

18 8. The multi-media player in accordance with claim 6, wherein the
19 rotatable panel further includes two restoring devices each mounted between
20 the first plate of the casing and a respective one of the two connecting portions
21 to provide a restoring effect to return the casing to the original position.

1 9. The multi-media player in accordance with claim 8, wherein the
2 first plate is formed with two opposite fixing members each formed with a
3 plurality of fixing recesses, and each of the two restoring devices includes a
4 shaft fixed on a respective one of the two connecting portions, a rotation barrel
5 secured on a respective one of the two fixing members of the first plate and
6 rotatably mounted on the shaft, and an elastic member mounted in the shaft and
7 urged between the rotation barrel and the shaft.

8 10. The multi-media player in accordance with claim 9, wherein the
9 shaft has a distal end formed with a plug protruded outward from the fixing
10 barrel and fixed in the fixing hole of a respective one of the two connecting
11 portions.

12 11. The multi-media player in accordance with claim 9, wherein the
13 rotation barrel has a periphery formed with a plurality of fixing blocks each
14 fixed in a respective one of the fixing recesses of the respective fixing member
15 of the first plate.

16 12. The multi-media player in accordance with claim 9, wherein the
17 shaft has an inside formed with a chamber for receiving the elastic member and
18 has a periphery formed with a plurality of through holes each communicating
19 with the chamber.

20 13. The multi-media player in accordance with claim 12, wherein the
21 rotation barrel is formed with an opening for receiving the shaft.

1 14. The multi-media player in accordance with claim 13, wherein the
2 chamber of the shaft has an end face formed with a fixing groove, the opening
3 of the rotation barrel has an end face formed with a fixing stud formed with a
4 fixing groove, and the elastic member has a first end fixed in the fixing groove
5 of the shaft and a second end fixed in the fixing groove of the rotation barrel.

6 15. The multi-media player in accordance with claim 9, wherein each
7 of the two restoring devices further includes a viscous body mounted between
8 the rotation barrel and the shaft, a cover fixed in the opening of the rotation
9 barrel to rotate therewith and formed with a through hole for passage of the
10 plug of the shaft, and an O-ring urged between the rotation barrel and the shaft
11 to seal the viscous body.

12 16. The multi-media player in accordance with claim 15, wherein the
13 cover has an inner wall formed with two opposite positioning blocks, and the
14 shaft has a periphery formed with two opposite catch blocks to stop movement
15 of the positioning blocks of the cover to prevent the elastic member from being
16 deformed excessively due to an excessive rotation of the rotation barrel.

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